

Table from the Packaging &amp; Transport Application

red means false values

bleu means corrected values

	Nuclide	Mass(g)	Activity(MBq)	Heat(W)	Spontaneous fission rate (1/s)	Gamma emission (μSv/MBq.h)
Edit	92 U235	1,0000E+00	7,9960E+04	5,9900E-08	5,7600E-06	1,9600E-02
Edit	92 U238	2,0000E+00	2,4873E+04	1,7040E-08	1,3580E+00	1,8480E-05
Edit						
Edit	Total	3,0000E+00	1,0483E+05	7,6940E-08	1,3580E+00	1,9618E-02

Table for the Packaging &amp; Transport Application

	Nuclide	Mass (g)	Activity (Bq)	Heat (W)	Spontaneous fission rate (1/s)	Gamma dose rate at 1 m (μSv/h)
	92 U235	1,0000E+00	8,0000E+04	5,9900E-08	5,7600E-06	1,5680E-03
	92 U238	2,0000E+00	2,4800E+04	1,7040E-08	1,3580E+00	2,2915E-07
	Total	3,0000E+00	1,0480E+05	7,6940E-08	1,3580E+00	1,5682E-03

Table for the Transport Report

Nuclide	Mass (g)	Activity (Bq)	Heat (W)	Gamma dose rate at 1 m (μSv/h)
92 U235	1,0000E+00	8,0000E+04	5,9900E-08	1,5680E-03
92 U238	2,0000E+00	2,4800E+04	1,7040E-08	2,2915E-07
Total	3,0000E+00	1,0480E+05	7,6940E-08	1,5682E-03

Formula evaluating the values from the above tables

Activity[Bq] = Mass[g] \* Specific Activity[Bq/g]  
 Heat[W] = Mass[g] \* Isotopic Power( $\alpha + \beta + \gamma$ )[W/g]  
 Spont. fission rate [f/s] = Mass[g] \* Specific spont. Fission rate[f/(g·s)]  
 Gamma dose rate at 1 m[μSv/h] = Activity[Bq] \* 1e-6 \* Specific  $\gamma$  dose rate at 1 m[μSv/(MBq·h)]  
 Gamma dose rate at 1 m[μSv/h] = Activity[Bq] \* 1e-6 \*  $\gamma$  dose rate constant[mSv·m<sup>2</sup>/(GBq·h)] / distance<sup>2</sup> (where distance = 1 [m])

Datasheet and Derived Data values

Specific Activity (Bq/g)	Isotopic Power( $\alpha+\beta+\gamma$ ) [W/g]	Specific Spont. Fission Rate [fissions/(g·s)]	Specific $\gamma$ Dose Rate at 1 m [ $\mu\text{Sv}/(\text{MBq}\cdot\text{h})$ ]	$\gamma$ Dose Rate Constant [ $\mu\text{Sv}\cdot\text{m}^2/(\text{MBq}\cdot\text{h})$ ]
8,0000E+04	5,9900E-08	5,7600E-06	1,9600E-02	2,1000E-02
1,2400E+04	8,5200E-09	6,7900E-01	9,2400E-06	9,1900E-06